

Fig. 1

Cloning strategy - Structure and cloning of the genes/vectors

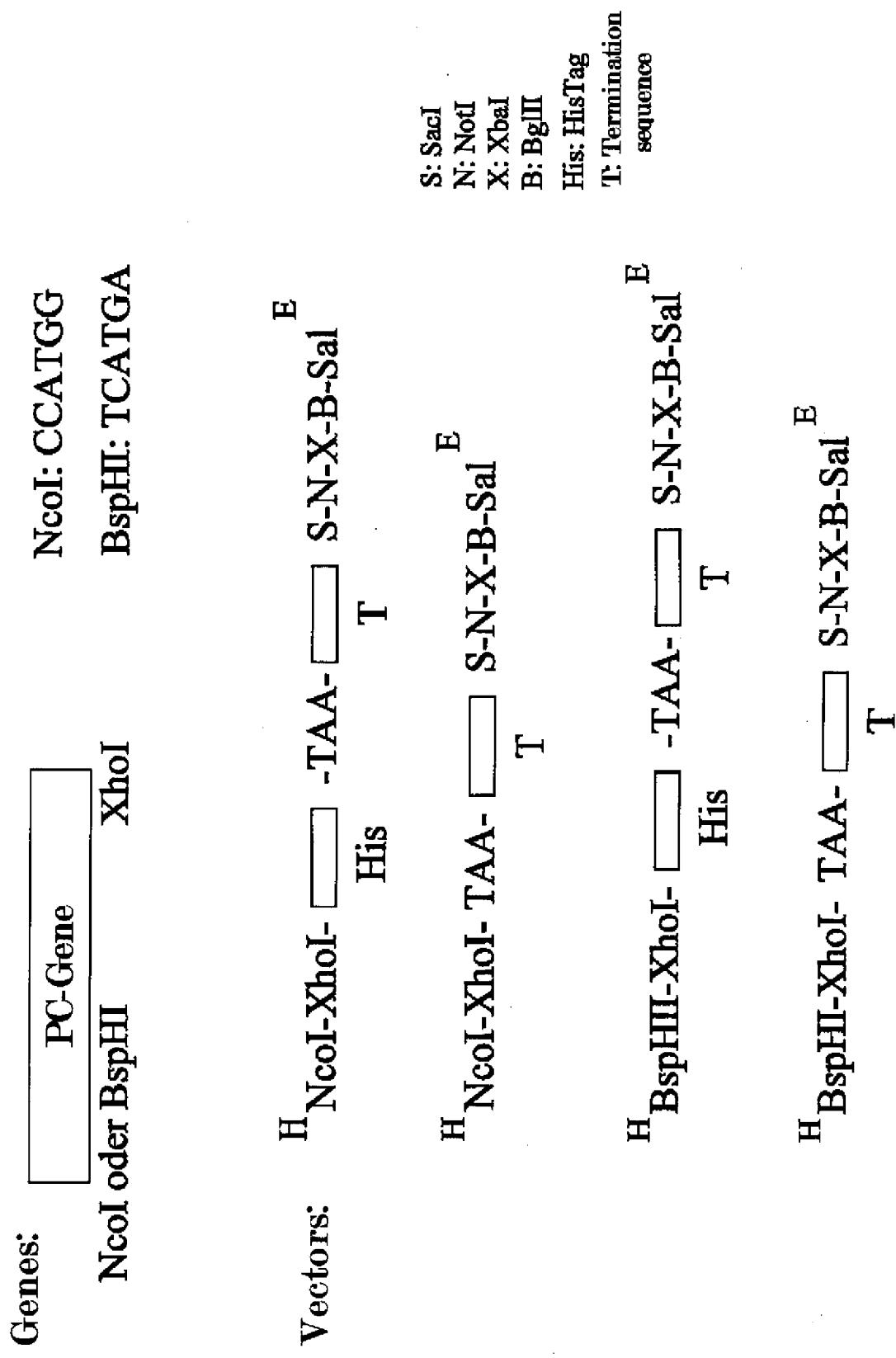
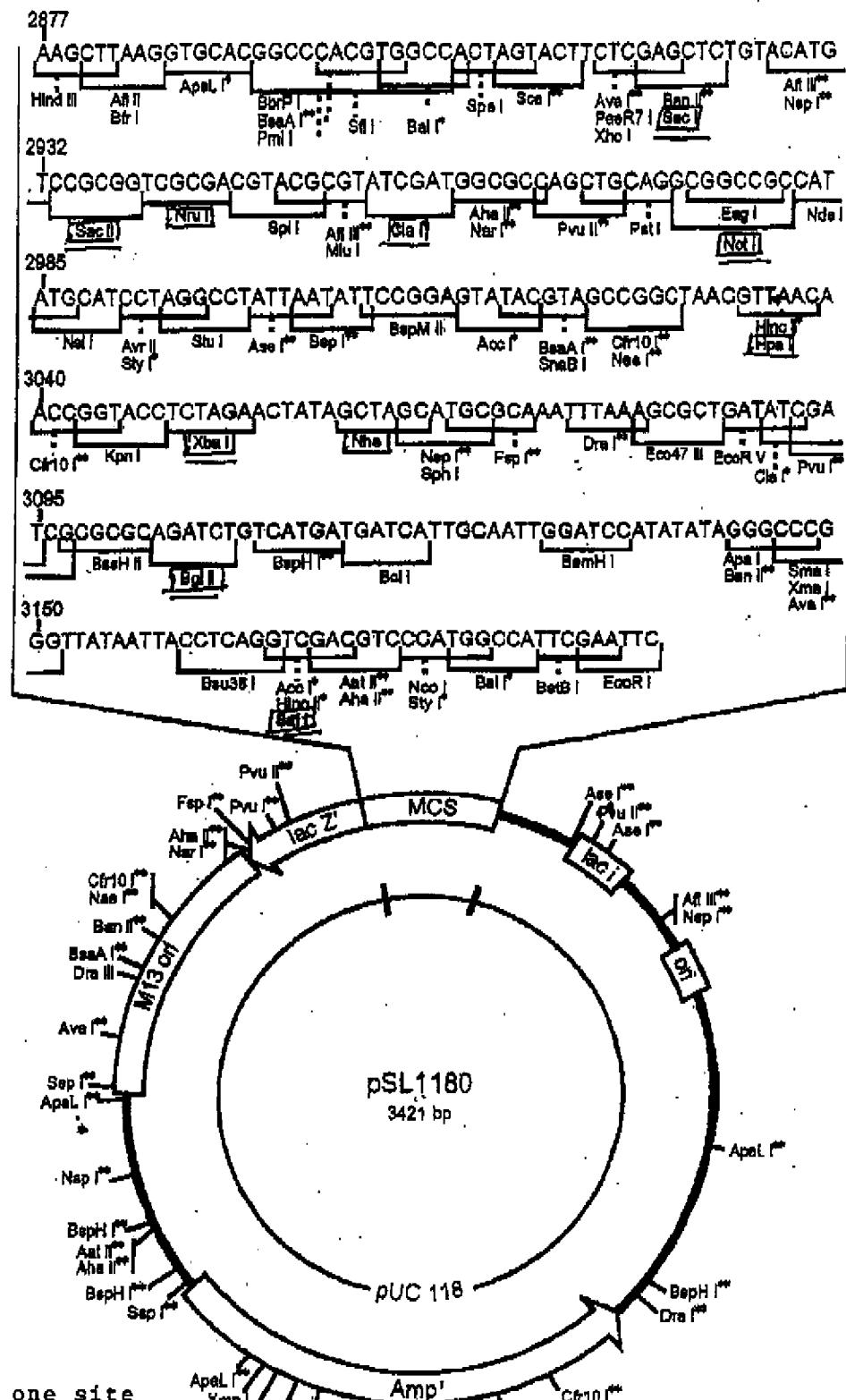


Fig. 2



*more than one site
in the polylinker

**site(s) in the polylinker and in the plasmid

Fig. 3

Cloning procedure - Testing the expression of the single genes

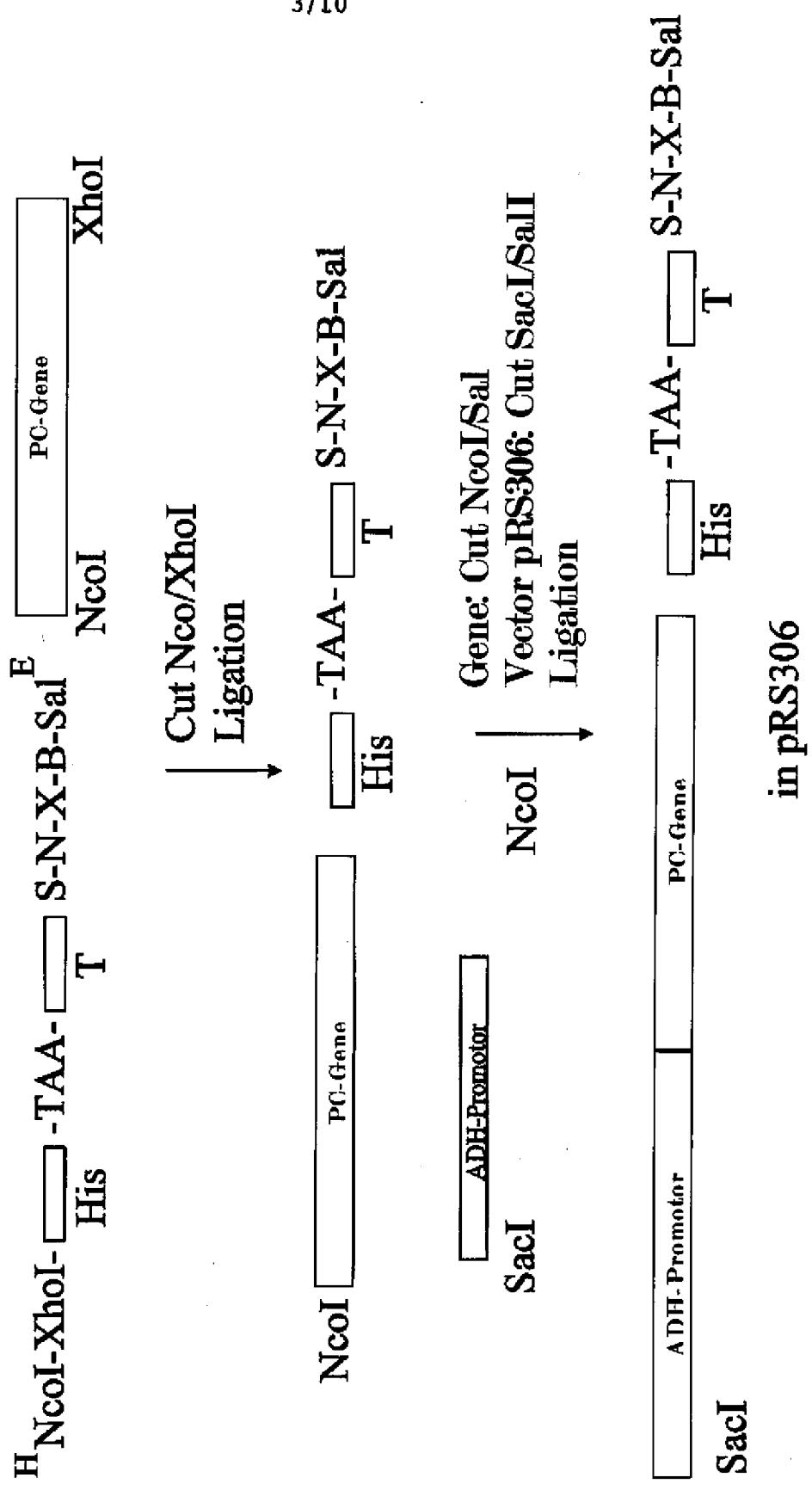


Fig. 4 a

Cloning procedure - Sequential cloning of the genes

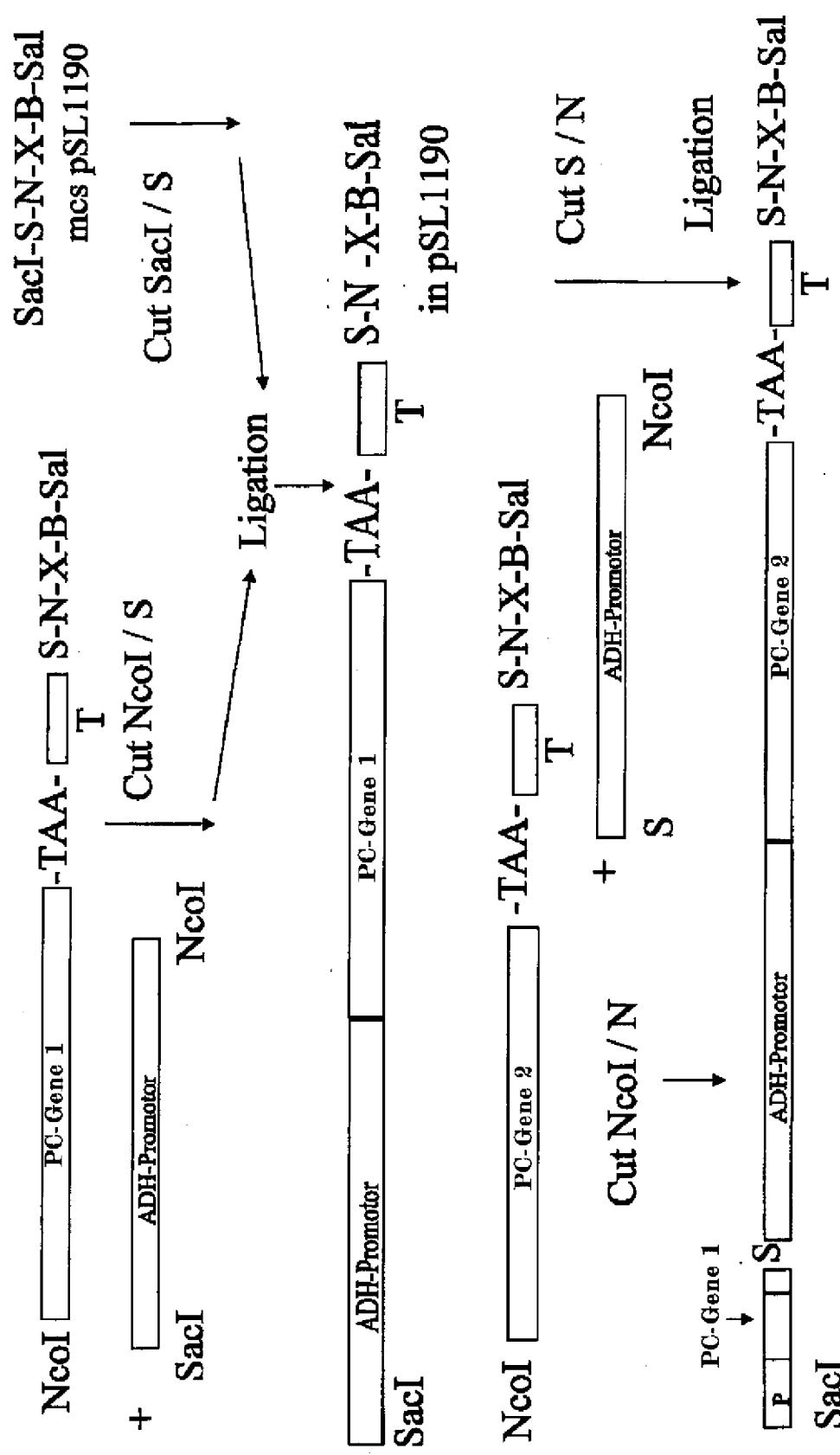
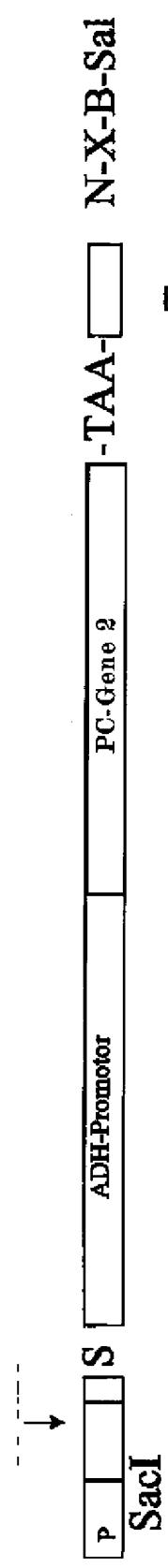


Fig. 4 b

Cloning strategy - Sequential cloning of the genes

PcC-Gene 1



etcetera - cutting now with N / X

↑

5 / 10

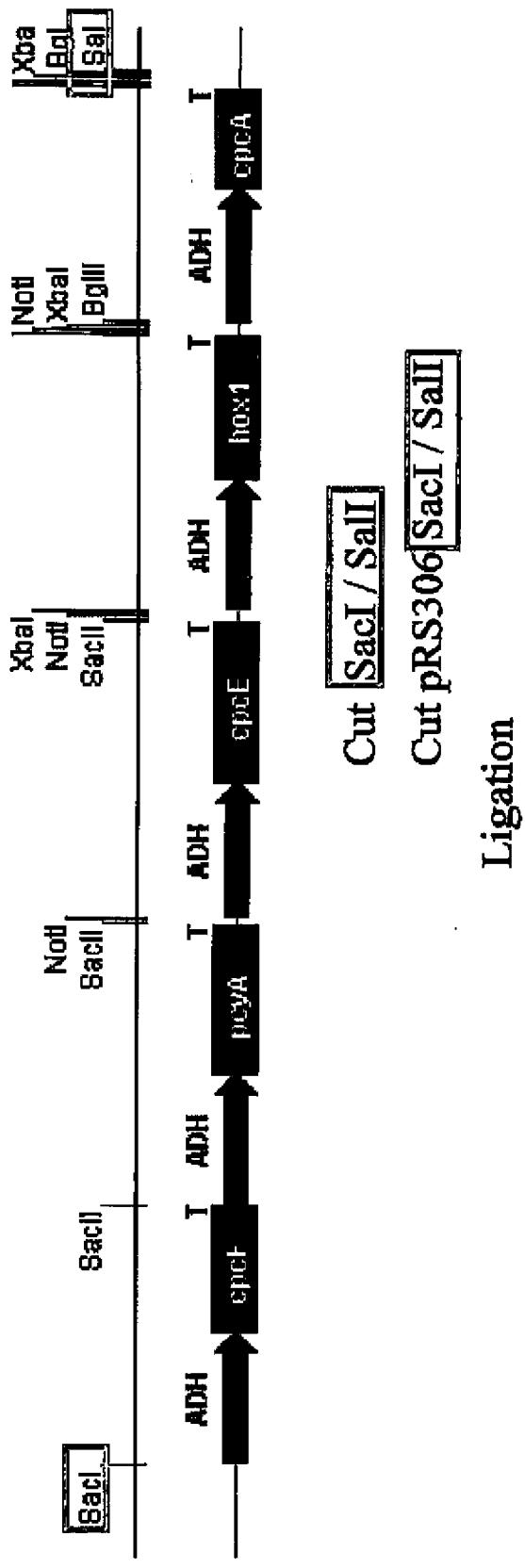


Fig. 4c

- 1) ADH-promotor (SacI/ NcoI, 1) plus cpcF from 706 (NcoI/SacII, 4) in pSL1190 SacI/ SacII, 4)
- 2) ADH-promotor (SacII/ NcoI, 4) plus pcyA from 711 (NcoI/NotI, 3) in pSL1190 (SacII/ NotI, 4) with cpcF
- 3) ADH-promotor (NotI/ NcoI, 3) plus cpcE from 714 (BspHI/ XbaI, 2) in pSL1190 (NotI/ XbaI, 3) with cpcF and pcyA
- 4) ADH-promotor (XbaI/NcoI, 2) plus hoxl from 808 (BspHI/ BglII, seq) in pSL1190 (XbaI/ BglII, 2) with cpcF and pcyA and cpcE
- 5) ADH-promotor (BglII/NcoI, 3) plus cpcA from 703 (BspHI/ SalI, seq) in pSL1190 (BglII/ SalI, seq) with cpcF and pcyA and cpcE and hoxl
Complete cassette from pSL1190 (SacI/SalI, seq) in pRS306 (SacI/ SalI, seq) → Test of the constitutive PC-Expression
- 6) GAL-promotor (BglII/NcoI, 3) plus cpcA from 703 (BspHI/ SalI, seq) in pSL1190 (BglII/ SalI, seq) with cpcF and pcyA and cpcE and hoxl
Complete cassette from pSL1190 (SacI/SalI, seq) in pRS306 (SacI/ SalI, seq) → Test of the regulable PC-expression.

Fig. 5

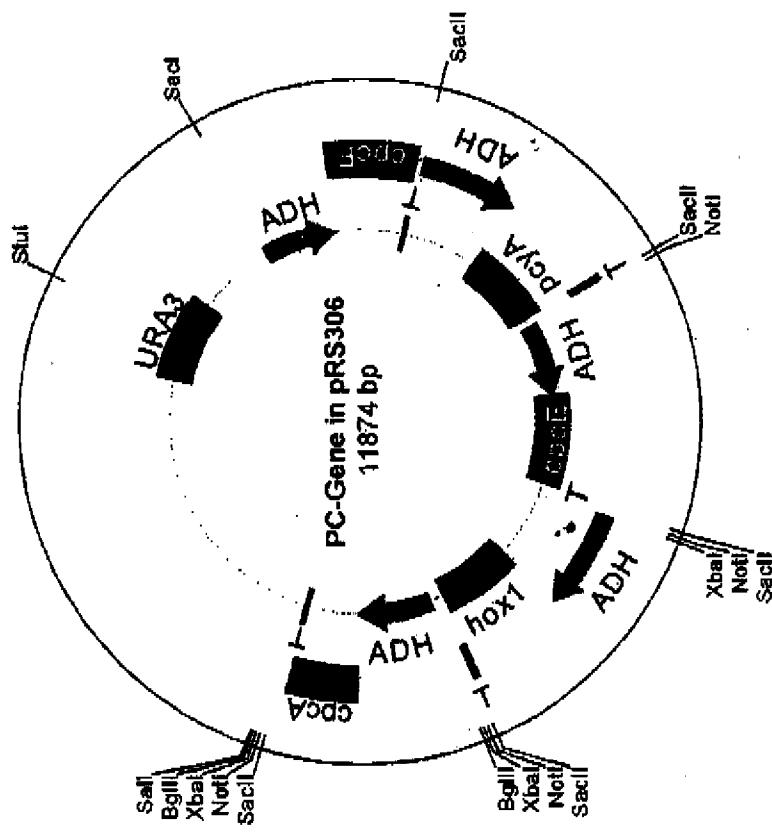


Fig. 6

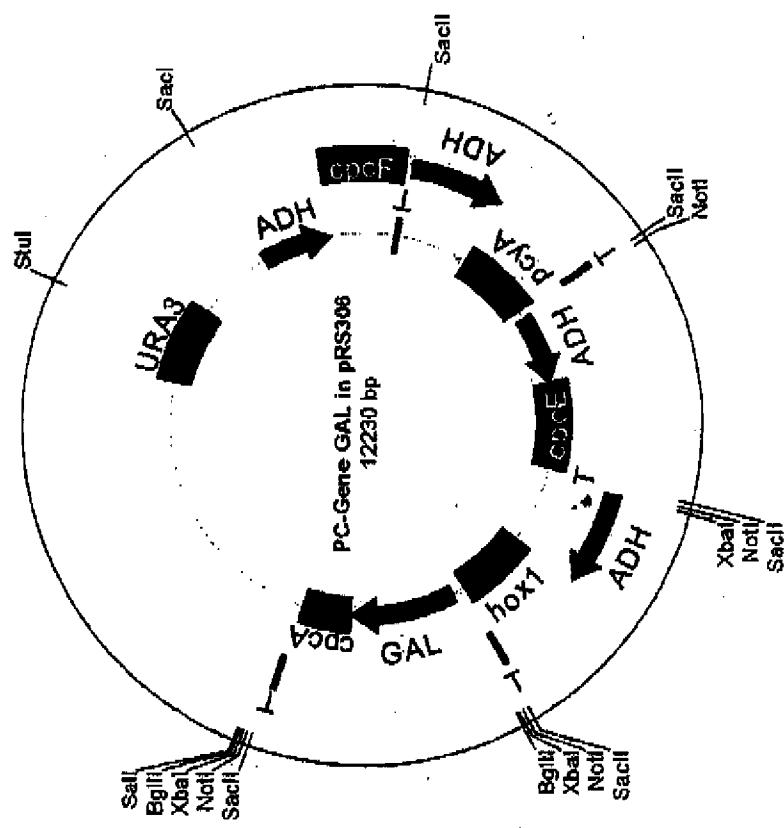


Fig. 7

Holo CpcA

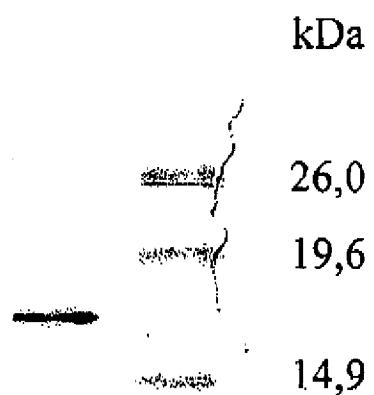


Fig. 8